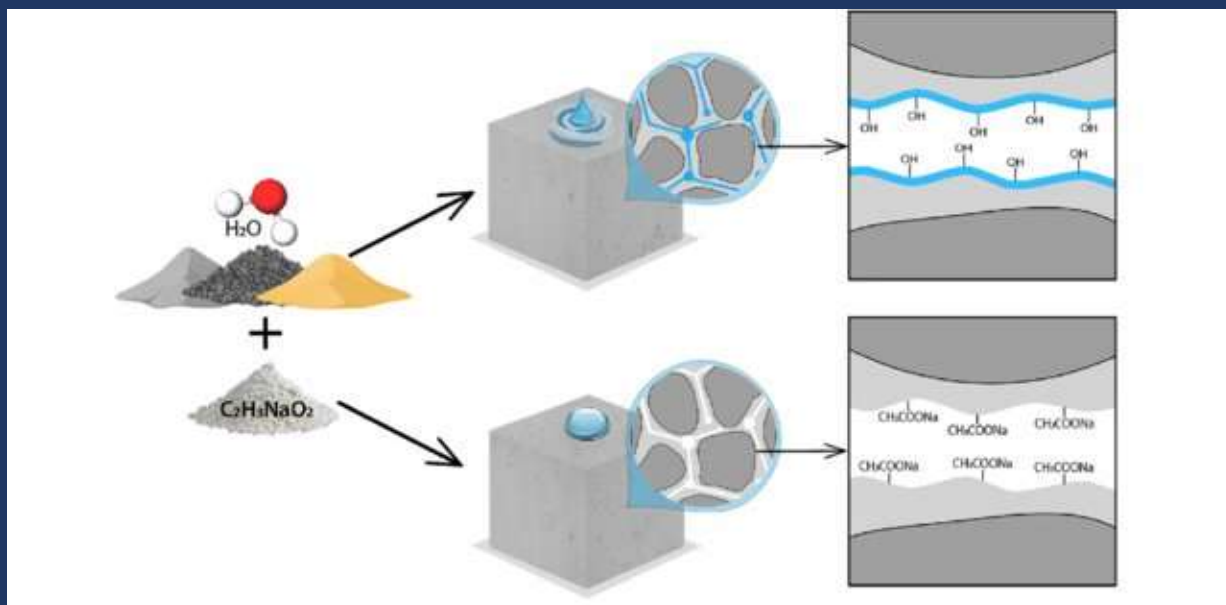


## INTEGRAL WATERPROOFING COMPOUND

### MYCROPROOF AW+

**M**ycroproof LW+ is specially formulated integral liquid waterproofing cum water reducing compound of surface active plasticizing agents, various polymers & additives. It is used as an additive for cement concrete, mortar & plasters. It makes concrete cohesive and prevents segregation.



When contact with water, integral waterproofing **Mycroproof LW+** generates non-soluble crystal throughout the capillaries and pores in the concrete structure creating an impenetrable water barrier to block water passage from positive (exterior) side, negative (interior) side or from within the concrete itself. Mycroproof LW+ also reacts with water to seal cracks that develop in the concrete over time.

#### Where to use:

- Concrete Mixes
- Basements and Foundations
- Swimming Pools
- Water Retaining Structures
- Rooftops and Terraces
- Pavements and Driveways

#### Features of Integral Waterproofing Compounds:

- **Water Resistance:** Compounds significantly reduce the permeability of concrete, preventing water from penetrating through the structure.
- **Compatibility:** Integral waterproofing agents Mycroproof LW+ are designed to be compatible with various types of cement and concrete mixes, allowing for seamless integration into construction work.

- **Improved Workability:** Mycroproof LW+ enhance the workability of concrete, making it easier to mix, place, and finish, which can lead to better overall results in construction.
- **Durability:** Compounds contribute to the long-term durability of concrete by reducing the risk of cracking, spalling, and other forms of damage caused by water infiltration.
- **Strength:** The setting time and compressive strength of the concrete remains within the specification limits.
- **Shrinkage:** Reduce shrinkage crack development in plaster and concrete.
- **Freeze-Thaw Resistance:** It helps protect concrete from damage caused by freeze-thaw cycles, which can lead to cracking and deterioration over time.
- **Cost-Effective:** By preventing water damage and reducing maintenance needs, these compounds can lead to significant cost savings over the lifespan of a structure.
- **Aesthetic Benefits:** Mycroproof LW+ can improve the appearance of concrete by providing a smoother finish and reducing efflorescence.
- **Versatility:** Mycroproof LW+ can be used in a wide range of applications, from foundations and basements to swimming pools and pavements, making them a versatile choice for construction projects.
- **Toxicity:** Mycroproof LW+ integral waterproofing compounds are formulated to be non-toxic, making them safe for use in residential and commercial applications. However, it is advised to avoid coming in contact with skin or eyes as it may cause irritation or allergic reactions.

### Method of Application

- Pour cement and aggregates into the concrete mixer according to the mix design, then mix for a minute or two while it's dry.
- Add 75–80% of the mixing water and stir for two to three minutes.
- The remaining mixing/gauging water is mixed with Mycroproof LW+ according to the specified dosage, put into the concrete mixer, and mixed for an additional two minutes.
- Put in the concrete or plaster as necessary.
- Use excellent construction methods to cure the concrete or mortar that has been applied.

### Precautions & Limitations

- Do not add Mycroproof LW+ directly to dry cement & aggregate mix.
- Maintain water-cement ratio as low as possible.
- Do not increase the dosage of Mycroproof LW+ beyond the recommendation.

## Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Appearance		Free flowing liquid
Colour		Wine red
Sp.gr @ 25 °C		1.04 – 1.06
Non-volatile contents		13.5 – 14.5 %
pH value		11.0 – 14.0
Setting time in min		Passes
Chloride content		0.03 %
Water permeability		Passes
Compressive strength N/mm <sup>2</sup>		As per standard

## Dosage

Normal dosage is 250 ml per 50 kg bag of Cement and to get more water reduction up to 400 ml per 50 kg bag of Cement can be used.

## Shelf Life

- Best before 2 years from the date manufacture when in sealed pack and stored under proper condition.
- Store in a cool & dry place.

## Health & Safety

- Use rubber hand gloves & safety goggles, while using Mycroproof LW+
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children

**Package size:** 500 ml, 1 L, 5 L, 10 L and 20 L

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